Sekhar A

412-568-3648

Java Developer

[sekhara432@gmail.com](mailto:sekhara432@gmail.com)

**PROFESSIONAL SUMMARY:**

* Over 8+ years of professional software development experience in Object-oriented analysis, design and development of Web Applications using J2EE technologies.
* Involved in the Software Development Life Cycle (SDLC) phases, which include Analysis, Design, Implementation, Testing and Maintenance.
* Well versed in using Software development methodologies Agile Methodology and Waterfall software development processes.
* Very strong on Java concepts, Restful web Services and J2EE technologies such as Servlets, JDBC, JSP, and spring, Hibernate, XML, XSD, SOAP, WSDL, HTML, JavaScript, CSS, AJAX, JSON and JUnit.
* Worked on different module of spring including Spring MVC, Spring ORM and Spring Boot.
* Proficient in Object Oriented Programming using Core **Java**, Multi-threading, Synchronization, Serialization, Collections and Data Structures.
* Experience in integrating Web Center Application with Spring & Hibernate frameworks.
* Good working experience with using Array list, Map and Sets of Collections API and core Java Concepts like Exception Handling, multi-threading.
* Designed and created data extracts, supporting SSRS, POWER BI, Tableau or other visualization tools reporting applications.
* Experience on Software Development in Java, writing microservice applications for a telecommunications system running in a Cloud Foundry environment.
* Tested Power bi reports and verified the data with the source database data and checked the accuracy of data.
* Took tested power pivot reports and verified it with power bi reports.
* Wrote Queries in Source Database and checked consistency and tested accuracy of data between Source database and power bi.
* Created applications using Python under Linux OS (Debian, Ubuntu, SUSE Linux, RedHat Linux) environment.
* Knowledge of SOAP UI testing Experienced with functional web services tests Skilled with creating automated web services testing processes.
* Worked with several python packages like Numpy, Matplotlib, Scipy, PyQt, wxpython, PyTables.
* Hands on experience on working in Linux Environment for improved automation of internal data by shell scripting using scripting languages like PHP and Perl.
* Strong knowledge in JAVA Messaging Service (JMS).
* Integrated spring with Hibernate using Hibernate Template to perform CRUD operations on database.
* Skilled at writing DB2, PL/SQL, Stored procedures, Functions & Triggers.
* Expertise in SQL, PL/SQL programming. RDBMS experience includes Oracle, MS SQL, and MySQL.
* Good working knowledge of different IDEs like My Eclipse 4.x/6.x/7.x, RAD and Net Beans.
* Experienced in deploying J2EE applications on Apache Tomcat,JBoss application server and Web Logic, Web Sphere using web server.
* Reported bugs and tracked defects using JIRA.
* Very good understanding of RDBMS, OOPSand OOAD.
* Experience in writing JUnit test cases for system testing, Used Log4j for logging.
* Experienced in working on UNIX and Windows environment.
* Experience in writing Ant scripts for project development and deployment.
* Experience in building and deploying applications using Jenkins Continuous Integration Tool (CI/CD).
* Worked with version control systems like Clear case, SVN, CVS, GIT, etc

**TECHNICAL SKILLS:**

|  |  |
| --- | --- |
| Java/J2EE Technologies | Java 1.8/1.7, J2SE, J2EE, JDBC, JSP, Servlets, MVC, SOAP and REST Web Services, JMS, EJB, Jenkins. |
| Frameworks | Spring Core, Spring MVC Version 3.2, SOA, Hibernate. |
| Java Scripts | Angular.JS, Node.JS, React.Js. |
| Database | Oracle (SQL & PLSQL), My SQL |
| Methodologies | Agile model, Waterfall model. |
| Version Control | SVN, CVS, CLEAR CASE, GIT HUB. |
| XML Related and Others | XML, DTD, XSD, XSLT, JAXB, JAXP, XSL, JAXB, SAX, DOM |
| Web Services | REST, SOAP, WSDL, UDDI. |
| Design Patterns | Singleton, MVC, Façade, Factory, DAO. |
| IDE | My Eclipse 4.x/6.x/7.x, RAD and Net Beans |

EDUCATION

* **Bachelor of Technology in Computer Science –Jawaharlal Nehru Technological University, India 2009.**

CERTIFICATIONS

# Oracle Certified Java Programmer (1.7).

**Experience:**

**Client: Harman/Samsung Mountain View, CA,94043**

**Feb-2016 to present**

**Role: Sr. Java/BI Developer**

**Responsibilities:**

* Followed Agile/ Scrum methodology to track project progress and participated in Scrum meetings.
* Understanding and analyzing business requirements. Participated in all phases of SDLC.
* Involved in designing Use Case diagrams, Class diagrams and Sequence diagrams as a part of design phase.
* Configured Spring framework using the Spring core module to inject dependencies and Spring ORM module to use Hibernate to persist data into Oracle database.
* Developed RESTful Web Services using Jersey, JAX-RS to perform CRUD operations on the database server over HTTP and to consume web services for transferring data between different applications.
* Used Spring Boot for developing microservices and used REST to retrieve data from client-side using Microservice architecture.
* Implemented Spring MVC 3.2, which includes writing Controller classes for handling requests, processing form submissions and performed validations using Commons validator.
* Migrating existing application into REST based Microservices to provide all the CRUD capabilities using Spring Boot.
* Applied Spring3 MVC to transfer data from front-end to middle-tier (username, password, register information, quantity, and credit card number).
* Business logic has been implemented using Array list, Map and Sets of Collections API.
* Worked on backend logic using Servlets,Swing, EJB, Hibernate and JDBC.
* Used HQL (Hibernate Query Language) and Query criteria to interact with data base (Oracle 11g).
* Developed hibernate DAO lasses to persists objects into database.
* Debugging SSIS packages, Performance tuning on Slowly running SSIS Packages.
* Configure SSIS Packages with xml configuration
* Configure and maintain using Report Manager and Report Server for SSRS, Deployed and Scheduled the Reports in Report Manager
* Designed and created data extracts, supporting SSRS, POWER BI, Tableau or other visualization tools reporting applications.
* Created, Maintained & scheduled various reports in Power BI like Tabular Reports.
* Explore data in a Variety of ways and across multiple visualizations using Power BI
* Used Singleton, Session Facade, and DAO patterns in implementing the application.
* Used SAX parser for parsing the XML documents that are retrieved upon consuming the Web services.
* Extensively worked with XML Schemas (XSD) for defining XML elements and attributes.
* Deployed web components, presentation components and business components in IBM WebSphere Application Server.
* Used SAML and OAuth to secure web services.
* Involved in developing UI components using Angular JS and JSON to interact with RESTful web services.
* Utilized JavaScript/jQuery libraries like bootstrap and AJAX for form validations and other interactive features.
* Created build environment for Java using Git and Maven.
* Used Log4J to write log messages with various levels.
* Worked on Power BI and prepared dashboards using Tableau to make it more attractive.
* Developed the test cases with JUnit for Unit testing of the built components.
* Used RabbitMQ as the message broker to convert the entire flow as a SOA based architecture.
* Worked on enhancements, change requests and defect fixing. Interacted with product owner and testers.
* Used Git for version controlling and regularly pushed the code to GitHub, Used for source code maintenance.
* Contributed to standardizing project coding, code review guidelines and checklist.
* Used JIRA for issue tracking and project management also used JIRA for bug-tracking and project management.
* Involved in production bug fixes, analyzing and improving overall application performance Using JMETER.
* Deployed applications on JBoss 6.X.
* Used Maven as a build tool in the application.
* Used Jenkins for Continuous Integration.

**Environment:** Java, J2EE, Hibernate, Spring, Eclipse, Power BI, Spring MVC, Hibernate, SSIS,SSRS, IBM WebSphere, REST(JAX-RS), XML, JSON, CSS, JUnit, RabbitMQ, Maven, Oracle 11g, Angular JS, JavaScript/jQuery, AJAX, JIRA, Jenkins, GIT HUB, Bootstrap, JMETER.

**Client: Deutsche Bank, Jersey City,NJ.**

**Nov-2013 to Dec-2015**

**Role: Java/BI Developer**

**Responsibilities:**

* Involved in gathering and analyzing business requirements and converting them into technical specifications, and followed Agile Methodologies to produce high quality software.
* Developed web pages using spring framework (Spring MVC, Spring IOC, Spring Batch).
* Worked on writing micro services using Spring batch.
* Used Spring MVC as the middle-tier framework to handle request from the front-end to the back-end.
* Working with [Spring Security](https://docs.spring.io/spring-security/site/docs/3.0.x/reference/springsecurity-single.html) has improved support substantially for adding security to your service layer methods.
* Developed Hibernate Dao Classes using Spring JDBC Template, Worked with Hibernate for object relational mapping and connection management.
* Used Power BI Power Pivot to develop data analysis prototype, and used Power View and Power Map to visualize reports.
* Involved in creating the Hibernate POJO Objects and mapped using Hibernate Annotations.
* Used Multithreading to do the application development and for running the different tasks at the same time.
* Involved in database development by creating Oracle PL/SQL Functions, Procedures, Triggers, and Packages.
* Developed Web services modules based on SOA architecture.
* Implemented RESTFUL web service for Database functionalities to Create Insert Update Delete data, and developed Web service using Restful and JSON.
* Upgraded Oracle 10g to 11g software in different environments for latest features and also tested databases.
* Developed SQL queries for extracting data from production database and built data structures, reports.
* Used Various Data Structures (Stack, queue, LinkedList) and algorithms to hold the performance data.
* Communicated with other departments by using Web Services with the help of JAX-RS.
* Used UML modeling diagrams to describe the structure and behavior of the system.
* Used Swing, Angular.JS, Node.Js, HTML, CSS3 and Custom Java Tag Library for UI module.
* Developer custom validations to validate data of UI components at server side.
* Used SVN version control tool for source code maintenance.
* Deployed applications on Apache Tomcat Server.
* Involved in production bug fixes, analyzing and improving overall application performance Using Load Runner
* Used Maven as a build tool in the application.
* Usedlog4j for generating the log files for all the applications.

**Environment:** Java, Spring, JPA, Hibernate, Web services, HTML, CSS, Power BI, JavaScript, AngularJS, JSON, Bootstrap, JQuery, Servlets, JSP, AJAX, JavaScript, PL/SQL, SOAPUI, SOA,SVN, Spring MVC, Web Services, SOAP, REST, JSF, JAXB, WSDL, XSD,XML, SQL, Eclipse, GIT.

**Client: Velsicol chemical corp, Rosemont, IL**

**Feb-2012 to Oct-2013**

**Role: Java/J2EE Developer**

**Responsibilities:**

* Involved in complete Agile, SDLC methodology - Requirement Analysis, Development, System and Integration Testing including Scrum, sprints, and retrospectives.
* Gathered and analyzed the requirements and designed class diagrams, sequence diagrams using UML.
* Worked closely with a Java oriented team to introduce sprints to the development cycle.
* Developed admin logging (GUI) for Customer Service application to extract the customer details. Implemented this based on Spring MVC framework using Transaction management concept and JSP for presentation layer.
* Designed using MVC frameworks using spring with Hibernate on the enterprise tier in ongoing project modules.
* Implemented the middle tier using spring framework with the Hibernate ORM framework. Made use of Hibernate DAO Support features for bean management and transaction management to gain clear logic and efficiency.
* Developed the DAO layer for the application using Hibernate and developed various logics and reports using HQL and Hibernate criteria.
* Used Microsoft Power BI Power Query to extract data from external sources and modify data to certain format as required in Excel, and created SSIS packages to load excel sheets from PC to database
* Involved in using JPA (Java Persistence API) frameworks and APIs such as JDO (Java Data Objects) and Hibernate.
* Created and configured Data Sources for database connectivity & JMS resources.
* Improved user experience by designing and creating new web components and multi-tier applications, design patterns using Java , J2EE, JSP, EJB, JSF, JavaScript, Swing Servlets, JAXB.
* Developed the RESTFUL Web Services using JAX-RS API, Spring MVC Rest Controller, annotations to represent different data formats.
* Used Angular.JS, SOAP, WSDL, HTML and Custom Java Tag Library for UI module.
* Used JIRA for issue tracking and project management.
* Build Docker Images and launch container in dev and test servers.
* Extensively used JQuery in implementing various GUI components in application portal.
* Deployed J2EE applications on WebSphere web server.
* Developed automated build server utilizing Maven and Ant.
* Developed integration and unit tests using Mockito.
* Manage daily production deployments, cut release candidates and build branches using Jenkins.
* Used CVS version control tool.

**Environment:** HTML, CSS, Agile methodology, Mockito, WebSphere, Power BI, JQuery, JSF, Hibernate, Angular.JS, J2EE, JSF, JSP, Servlets, Ant, Maven, Restful Web Services, Eclipse, JUnit, CVS, Jenkins.

**Client: Aetna, Hartford, CT**

**Sep-2010 to Jan-2012**

**Role: Python Developer**

**Responsibilities:**

* Exposed to Software Development Life Cycle (Scrum) following Agile methodology.
* Used Django Framework for developing web applications using model view control architecture.
* Managed, developed, and designed a dashboard control panel for customers and Administrators using Django, Oracle DB and VMWare API calls.
* Worked on various applications using Python integrated IDEs Eclipse, Pycharm, and NetBeans.
* Automated the existing scripts for performance calculations using Numpy and SQL alchemy.
* Extensively used python modules such as requests, urllib and urllib2 for web crawling
* Used Numpy for Numerical analysis for Insurance premium.
* Implemented configuration changes for data models.
* Developed and implemented R and Shiny application which showcases machine learning for business forecasting.
* Used packages like dplyr, tidyr& ggplot2 in R Studio for data visualization.
* Maintained and updated existing automated solutions.
* Handled potential points of failure through error handling and communication of failure.
* Performed efficient delivery of code based on principles of Test Driven Development (TDD) and continuous integration to keep in line with Agile Software Methodology principles.
* Different testing methodologies like unit testing, Integration testing, web application testing Selenium testing performed.
* Worked on loading CSV/TXT/DAT files using Scala language in Spark Framework to process the data by creating Spark Data frame and RDD and save the file in parquet format in HDFS to load into fact table using ORC Reader.
* Implemented SSIS packages for data sourcing from Heterogeneous data systems using SSIS ETL Tool to support daily incremental data refresh, full loads.
* Preparation of technical specification document for the development of Informatica Extraction, Transformation and Loading (ETL) mappings to load data into various tables in Data Marts and defining ETL standards.
* Lock mechanisms were implemented and the functionality of multithreading has been used.
* Python/Django based web application, PostgreSQL DB, and integrations with 3rd party email, messaging, storage services.
* Worked on Openstack Swift for moving large data files using Keystone and Horizon and integrated them into the web services and client server application.
* Automation database programming through Perl DBI module.
* Wrote Perl Modules and subroutine packages to facilitate code reuse, portability and modularity.
* Extracting data from the database using SAS/Access, SAS SQL procedures and create SAS datasets.
* Used Multi-Threading factory model to distribute learning process back-testing into various worker processes.
* Developed a fully automated continuous integration system using Git, Gerrit, Jenkins, MySQL and custom tools developed in Python and Bash.
* Design and implemented custom scripts. Extensive use of version controller Team Foundation Server (TFS).
* Test and validated the custom scripts.
* Generated periodic reports based on the statistical analysis of the data using SQL server Reporting service (SSRS)
* Extensively used SSIS transformations such as lookup, merge, derived column, data conversion, conditional split and aggregate for creating SSIS ETL Solution..
* Responsible for creating cubes and dimensions using MS SQL Server Analysis Services (SSAS)
* Created business critical KPIs using MS SQL Server Analysis Services (SSAS) representing aggregations in several different ways - hierarchically and using custom groupings that the company will use to analyze performanc
* Delivered automated solutions for science models.
* Anticipated potential parts of failure (database, communication points, file system errors).
* Troubleshoot the process execution and worked with other team members to correct them.
* Actively worked as a part of team with managers and other staff to meet the goals of the project in the stipulated time.
* Performed troubleshooting, fixed and deployed many Python bug fixes of the two main applications that were a main source of data for both customers and internal customer service team.
* Used Pandas library for statistics Analysis.
* Managed large datasets using Panda data frames and MySQL.
* Used advanced packages in AON PATHWISE for performing unit test and deploying data models.
* Developed GUI using webapp2 for dynamically displaying the test block documentation and other features of python code using a web browser.
* Developed the required XML Schema documents and implemented the framework for parsing XML documents.
* Responsible for user validations on client side as well as server side.
* Interacted with QA to develop test plans from high-level design documentation.

**Environment:** Python 2.7, Django, HTML5/CSS, MS SQL Server 2013, MySQL, SSAS, SSRS, Oracle, JavaScript, Eclipse, Linux, Shell Scripting, Openstack, jQuery, GitHub, Jira.

**Client: Cognos IT solutions, Hyderabad**

**June-2009to July-2010**

**Role: Java/Python Developer**

**Responsibilities:**

* Developed entire frontend and backend modules using Python on Django Web Framework.
* Designed and implemented several drag and drop functionalities for various elements using Swing, Java AWT.
* Wrote several PL/SQL procedures and SQL queries to retrieve data from database. Designed and developed several complex SQL queries. Used explain plan for slow running queries and made necessary changes to code to expedite the query execution.
* Experience with Core java with strong understanding and working knowledge of Object Oriented Concepts(OOPS) like Collections, Multi-threading, Exception Handling, Reflection.
* Established JDBC connections for data retrieval and update.
* Involved in making GUI (JSP, HTML, and JS) and java classes using Struts Framework.
* Used Struts framework to implement J2EE design pattern (MVC).
* Worked with millions of database records on a daily basis, finding common errors and bad data patterns and fixing them.
* Exported/Imported data between different data sources using SQL Server Management Studio.
* Maintained program libraries, users' manuals and technical documentation.
* Managed large datasets using Panda data frames and MySQL.
* Wrote and executed various MYSQL database queries from Python using Python -MySQL connector and MySQL package.
* Involved in writing complex SQL queries to filter the data and fetch data to Tableau desktop in order to generate reports.
* Carried out various mathematical operations for calculation purpose using Python libraries.
* Built various graphs for business decision making using Python matplotlib library.
* Performed troubleshooting, fixed and deployed many Python bug fixes of the two main applications that were a main source of data for both customers and internal customer service team.
* Implement code in Python to retrieve and manipulate data.
* Used Django configuration to manage URLs and application parameters.
* Also used Bootstrap as a mechanism to manage and organize the html page layout.

**Environment:** Python, Java/J2EE, Django, Flex, PyUnit, Angular.js, Node.js, XML, MS Visio, MS Project, JIRA, Apache, Git, UML, SQL, Tableau PL/SQL Windows and Linux.